

Appendix A

Key Indicators of Progress Toward
Postsecondary Reform
2002-03

Appendix A: Key Indicators of Progress Toward Postsecondary Reform

Note: Measurements and goals reported were current as of June 30, 2003. See page 11 for a description of the key indicators project.

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Question 1: Are more Kentuckians ready for postsecondary education?

Preparation of Adults

1.1 Percentage of adults at literacy levels one and two

<u>Level of Measurement</u>	<u>Actual</u>	<u>Goal</u>
<u>1997</u>	<u>2003</u>	
Statewide	40%	37%

Source: Kentucky Adult Literacy Survey, National Adult Literacy Survey

1.2 Percentage of adults (25 and over) with less than high school diploma or GED

<u>Level of Measurement</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>Goal 2002</u>
Statewide	22.1%	21.8%	21.3%	21.0%	19.2%	19.3%
US	17.2%	16.6%	15.9%	15.9%	15.9%	

Source: US Census Bureau, Current Population Survey

Preparation of High School Graduates

1.3 Average ACT scores of high school graduates

Level of Measurement	1998	1999	Actual			Goal	
			2000	2001	2002	2003	2002
Statewide	20.2	20.1	20.1	20.1	20.0	20.2	20.2
US	21.0	21.0	21.0	21.0	20.8	20.8	National average

Source: ACT, Inc.

1.4 Percentage of high school graduates taking the ACT

Level of Measurement	1998	1999	2000	Actual			Goal	
				2001	2002	2003	2002	2014
Statewide	67%	68%	71%	72%	72%	73%	81%	95%

Source: ACT, Western Interstate Commission on Higher Education

1.5 Number of college-level courses per 1,000 HS juniors and seniors

Level of Measurement	Actual				Goal 2002
	1998	1999	2000	2001	
Statewide	83.8	94.8	95.8	124.8	219.5
					123.0

Note: Calculation is number of high school juniors and seniors enrolled in college courses and the number of scores of “3” or better on AP tests per 1,000 high school juniors and seniors.

Source: CPE Comprehensive Data Base, KDE, College Board

1.6 Percentage of high school students completing the ACT core coursework

Level of Measurement	Actual				Goal 2002
	1998	1999	2000	2001	
Statewide	43%	44%	47%	48%	59%
US	61%	60%	61%	60%	58%
					57%

Source: ACT, Inc.

Affordability

1.8 Measuring Up affordability measures

Level of Measurement	Indicator	Actual		Goal	
		2000	2002	2004	2006
Statewide		KY Top States	KY Top States	KY Top States	KY Top States
	Ability to pay, Public 4-Year	21%	19%	19%	18%
	Ability to pay, Public 2-Year	17%	17%	17%	16%
	Ability to Pay, Private	44%	30%	40%	32%
	Need-based financial aid	33%	106%	37%	108%
	Low-priced colleges	14%	9%	13%	8%
	Low student debt	\$3,327	\$3,094	\$2,987	\$2,928

Source: National Center for Public Policy and Higher Education, National Report Card on Higher Education

Question 2: Are more students enrolling?

Postsecondary Enrollment

2.1 Number of undergraduates

Level of Measurement	Institution	Actual				Goals			
		1998	1999	2000	2001	2002	2003	2004	2005
Systemwide, Institutions	Eastern Kentucky University	13,480	13,274	12,909	13,023	13,053	13,207	13,339	13,472
	Kentucky State University	2,205	2,277	2,129	2,165	2,107	2,250	2,325	2,400
	Morehead State University	6,743	6,645	6,755	7,268	7,712	7,350	7,447	7,544
	Murray State University	7,349	7,299	7,492	7,776	8,088	7,850	7,900	8,000
	Northern Kentucky University	10,643	10,672	10,859	11,288	12,164	11,800	12,100	12,400
	University of Kentucky	17,157	16,847	16,899	17,284	17,878	17,435	17,535	17,615
	University of Louisville	14,647	14,710	14,477	14,131	14,475	14,420	14,370	14,300
	Western Kentucky University	12,713	12,921	13,272	14,135	15,234	14,285	14,435	14,585
	Subtotal	84,937	84,645	84,792	87,070	90,711	88,597	89,451	90,316
	Lexington Community College	6,118	6,807	7,214	7,793	8,270	8,185	8,265	8,435
KCTCS		45,529	46,035	52,201	63,120	67,812	65,000	66,900	69,600
	Total Public Institutions	136,584	137,487	144,207	157,983	166,793	161,782	164,616	168,261
	Independent Institutions	24,342	24,099	25,159	26,551	26,845	27,051	27,551	28,051
	System Total	160,926	161,586	169,366	184,534	193,638	188,833	192,167	196,312
									206,353

Source: CPE Comprehensive Data Base

Postsecondary Enrollment, cont'd

2.2 Number of graduate/first-professional students

Level of Measurement	Institution	Actual				Goals			
		1998	1999	2000	2001	2002	2003	2004	2005
Systemwide, Institutions	Eastern Kentucky University	1,922	1,914	1,748	1,890	2,195	2,080	2,121	2,163
	Kentucky State University	98	116	125	149	146	150	155	159
	Morehead State University	1,520	1,526	1,572	1,759	1,678	1,720	1,740	1,760
	Murray State University	1,554	1,615	1,649	1,872	1,832	1,880	1,900	1,950
	Northern Kentucky University	1,156	1,104	1,242	1,260	1,579	1,385	1,445	1,520
	University of Kentucky	6,552	6,219	6,217	6,764	7,155	6,900	6,935	6,970
	University of Louisville	5,562	5,424	5,627	5,573	5,958	5,705	5,768	5,872
	Western Kentucky University	2,169	2,202	2,244	2,444	2,584	2,481	2,518	2,555
Total		20,533	20,120	20,424	21,711	23,127	22,301	22,582	22,949
									23,253
									23,552

Note: Excludes post-doctoral students and house staff

Source: CPE Comprehensive Data Base

2.3 Number of students enrolled in KYU credit courses

Level of Measurement	Actual			Goal 2002
	1999	2000	2001	
Systemwide	235	2372	5582	9700
US				4000

Source: KYU

College Participation

2.5 Percentage of the adult population enrolled in KY colleges

Level of Measurement	Actual				Goal 2002
	1998	1999	2000	2001	
Systemwide	6.3%	6.1%	6.4%	6.6%	6.6%
US	7.3%	7.3%	7.4%		

Calculation: Percent of adults ages 18+ enrolled in college (public and independent)

Source: US Census Bureau, National Center for Education Statistics, Kentucky State Data Center,
CPE Comprehensive Data Base

College Participation, cont'd

2.6 Percentage of the adult population enrolled in KY colleges from target counties

Level of Measurement	Actual		Goal
	2000	2001	2002
Target Counties	4.7%	4.9%	5.3%

Calculation: Percent of adults ages 18+ enrolled in college (public and independent)

Source: Kentucky State Data Center, CPE Comprehensive Data Base

College-Going

2.7 Ninth-graders enrolling in college within four years

Level of Measurement	Actual		Goal	
	1996	1998	2000	2002
Statewide				
Kentucky	36.0%	37.0%	38.0%	
Top States	54.0%	54.0%	NA	Increase percentage, narrow gap with top states
National Average	39.7%	38.8%	37.5%	

Source: NCPHE, National Report Card

2.8 Percentage of students attending college directly out of high school from target counties

Level of Measurement	Actual			Goal
	2000	2001	2002	
Target Counties	49.4%	51.0%	51.8%	52.0%

Sources: KDE "Transitions to Adult Life," CPE Comprehensive Data Base

2.9 College-going rates of GED completers within two years

Level of Measurement	Actual			Goal
	1999	2000	2001	
Systemwide	12.0%	12.7%	16.5%	17.8%

Sources: CPE Comprehensive Data Base , Kentucky Adult Education - Council on Postsecondary Education

Question 3: Are more students advancing through the system?

Persistence and Completion

3.1 One-year retention rates of first time freshmen

Level of Measurement	Institution	1998	1999	Actual	2000	2001	2002	2003	Goals	2004	2005	2006
		1998	1999	2000	2001	2002	2003	2004	2005	2006	2005	2006
Institutions	Eastern Kentucky University	72.1%	69.8%	72.9%	73.4%	72.7%	74.0%	74.6%	75.2%	75.8%	76.5%	76.5%
	Kentucky State University	64.8%	76.5%	69.8%	76.2%	62.3%	76.6%	77.1%	77.6%	78.1%	78.5%	78.5%
	Morehead State University	73.2%	69.3%	71.1%	75.0%	75.1%	75.5%	76.0%	76.5%	77.0%	77.5%	77.5%
	Murray State University	77.6%	73.3%	77.7%	77.8%	77.0%	78.0%	78.2%	78.4%	78.6%	78.8%	78.8%
	Northern Kentucky University	66.4%	66.0%	68.2%	69.0%	72.4%	69.6%	70.2%	70.8%	71.4%	72.0%	72.0%
	University of Kentucky	86.7%	86.3%	88.0%	86.1%	88.2%	87.7%	87.9%	88.1%	88.3%	88.5%	88.5%
	University of Louisville	78.0%	77.0%	78.7%	78.4%	80.8%	79.3%	80.1%	81.0%	81.9%	82.8%	82.8%
	Western Kentucky University	74.1%	75.3%	76.8%	77.1%	78.5%	77.5%	77.8%	78.1%	78.4%	78.9%	78.9%
KCTCS		54.1%	53.8%	54.9%	52.4%	55.4%	53.6%	54.8%	56.0%	57.2%	58.4%	58.4%
	Lexington CC	63.6%	62.5%	63.7%	65.6%	63.2%	66.0%	66.5%	67.0%	67.5%	68.0%	68.0%

Source: CPE Comprehensive Data Base

Note: Students who enroll at the same institution, another Kentucky institution, or who graduate are considered retained.

3.3 Number of community and technical college transfers

Transfers in from KCTCS or LCC

Level of Measurement	Institution	Actual						Goals			2006
		1998	1999	2000	2001	2002	2002	2003	2004	2005	
Institutions	Eastern Kentucky University	470	468	461	408	392	470	475	480	488	496
	Kentucky State University	17	12	9	19	17	12	17	22	27	32
	Morehead State University	267	260	269	265	272	282	293	302	311	321
	Murray State University	294	302	308	326	317	320	325	330	335	340
	Northern Kentucky University	47	45	58	48	50	65	71	76	88	110
	University of Kentucky	806	746	660	704	700	670	680	690	700	711
	University of Louisville	466	421	293	326	342	323	339	356	374	393
	Western Kentucky University	288	270	245	262	319	266	278	291	305	319
Total		2,655	2,524	2,303	2,358	2,409	2,408	2,478	2,547	2,628	2,722

Transfers to any Kentucky public or independent four-year institution

Level of Measurement	Institution	Actual				Goals			
		1998	1999	2000	2001	2002	2003	2004	2005
Institutions	KCTCS	2,541	2,434	2,213	2,145	2,219	2,400	2,666	2,810
	Lexington CC	552	553	534	587	658	560	572	581
Total		3,093	2,987	2,747	2,732	2,877	2,960	3,096	3,238

Source: CPE Comprehensive Data Base

Persistence and Completion, cont'd

3.4 Average number of credit hours transferred

Level of Measurement	Institution	1998	1999	2000	2001	2002	Goals 2002
		Actual					
Institutions	KCTCS	50.3	51.2	50.5	50.9	50.1	50.5
	Lexington CC	51.5	54.0	54.9	59.6	54.5	55.0

Note: Goal is to maintain average while increasing the number of transfers.

Source: CPE Comprehensive Data Base

Graduation

3.5 Percentage of adults with a bachelor's degree or higher

Level of Measurement	1998	1999	2000	2001	2002	Goals 2002
	Actual					
Statewide	20.1%	19.8%	20.5%	20.4%	21.6%	21.8%
US	24.4%	25.2%	25.6%	26.2%	26.7%	National Average

Source: US Census Bureau, Current Population Survey

3.6 Six-year graduation rates of bachelor's degree students

Level of Measurement	Institution			Actual		Goals				
		1998	1999	2000	2001	2002	2003	2004	2005	2006
Universities	Eastern Kentucky University	26.8%	31.5%	30.0%	37.2%	33.1%	32.0%	33.5%	37.5%	40.0%
	Kentucky State University	17.7%	31.3%	31.2%	33.5%	27.2%	32.0%	33.0%	35.0%	36.0%
	Morehead State University	40.1%	44.0%	38.6%	45.6%	43.8%	42.0%	43.0%	44.0%	46.0%
	Murray State University	38.5%	40.9%	46.3%	55.0%	55.4%	47.7%	48.4%	49.0%	50.4%
	Northern Kentucky University	30.1%	32.3%	35.4%	40.5%	37.8%	36.0%	36.5%	37.0%	38.0%
	University of Kentucky	50.8%	52.2%	55.3%	57.2%	57.8%	56.4%	56.8%	57.4%	58.6%
	University of Louisville	29.9%	31.6%	30.8%	33.3%	32.8%	34.7%	36.7%	38.6%	42.6%
	Western Kentucky University	39.1%	37.7%	41.5%	40.8%	41.0%	41.6%	41.8%	42.0%	43.2%
	Total University System	36.7%	39.3%	39.8%	44.1%	43.5%				

Source: CPE Comprehensive Data Base

**3.7 Five-year graduation rates of transfer students
(with 30 or more credit hours) - three year averages**

Level of Measurement	Institution			Actual		Goals		
		2000	2001	2002	2003	2004	2005	2006
Universities	Eastern Kentucky University	52.1%	52.7%	51.9%	NA	54.0%	55.0%	56.0%
	Kentucky State University	NA	NA	NA	NA	NA	NA	NA
	Morehead State University	55.0%	56.6%	57.1%	56.0%	57.0%	58.0%	59.0%
	Murray State University	60.6%	61.8%	60.6%	62.0%	62.5%	63.0%	63.5%
	Northern Kentucky University	55.3%	51.4%	49.1%	55.4%	55.5%	55.6%	55.7%
	University of Kentucky	49.2%	51.6%	53.5%	51.5%	52.0%	52.5%	53.0%
	University of Louisville	38.6%	39.8%	40.6%	41.9%	42.2%	42.4%	42.7%
	Western Kentucky University	62.4%	58.8%	56.4%	62.2%	62.3%	62.4%	62.5%
	Total University System	51.8%	52.2%	52.0%				

Question 4: Are we preparing Kentuckians for life and work?

Undergraduate Student Experience

4.1 National Survey of Student Engagement (NSSE), 2001

Composite Benchmark Scores*

	EKU		KSU		MoSU		MuSU	
	Actual	Predicted	Actual	Predicted	Actual	Predicted	Actual	Predicted
First-Year Students								
Level of Academic Challenge	49.9	48.2	53.8	48.6	53.6	49.7	45.7	49.1
Active and Collaborative Learning	36.0	36.2	47.0	44.4	41.8	39.4	35.6	38.8
Student Interactions with Faculty Members								
Enriching Educational Experiences	33.5	31.8	38.2	37.8	40.8	32.5	32.9	30.2
Supportive Campus Environment	49.4	47.4	61.2	52.3	55.1	51.3	50.1	48.0
Senior Students								
Level of Academic Challenge	55.2	52.7	52.0	53.8	53.7	55.0	53.5	54.2
Active and Collaborative Learning	49.3	48.3	51.6	51.8	52.9	50.8	46.1	51.0
Student Interactions with Faculty Members								
Enriching Educational Experiences	46.4	40.7	45.5	45.4	44.3	43.9	40.6	42.5
Supportive Campus Environment	47.2	43.0	55.2	47.1	46.8	44.5	44.5	43.1

Appendix A: Key Indicators of Progress Toward Postsecondary Reform

	NKU		UK		UofL		WKU	
	Actual	Predicted	Actual	Predicted	Actual	Predicted	Actual	Predicted
First-Year Students								
Level of Academic Challenge	47.6	49.5	51.4	50.4	45.2	50.2	45.2	48.0
Active and Collaborative Learning	35.4	35.8	35.6	35.3	36.6	35.0	38.7	37.9
Student Interactions with								
Faculty Members	33.6	32.6	33.6	30.6	32.1	33.5	31.1	29.9
Enriching Educational Experiences	46.1	49.8	50.4	52.5	52.2	53.3	54.1	48.1
Supportive Campus Environment	57.2	56.6	53.3	55.0	53.6	53.6	57.9	59.1
Senior Students								
Level of Academic Challenge	52.9	51.9	52.4	53.8	51.0	52.0	49.7	53.7
Active and Collaborative Learning	48.5	46.4	44.8	46.1	44.9	43.6	45.7	49.4
Student Interactions with								
Faculty Members	34.5	36.4	39.1	38.7	35.8	35.2	38.7	40.7
Enriching Educational Experiences	36.0	38.3	42.5	45.0	43.5	40.1	46.1	44.7
Supportive Campus Environment	51.0	53.4	48.3	50.8	47.3	49.5	53.3	58.1

*Based on a 100-point scale.

Goal: The goal is for each of the universities to score above "predicted" in all benchmarks in 2003

Note: For each of the benchmarks, NSSE provides institutions with actual and predicted scores. The predicted scores are based on student demographics, admissions selectivity, enrollment, and a variety of other factors and allow institutions to compare their performance with the performance of similar institutions. Institutions whose actual score is higher than their predicted score in a given benchmark category outperform their peers in that area.

Source: NSSE

Alumni Satisfaction

4.2 Undergraduate alumni survey results, 2001

Percent of Respondents Who Answered "Definitely Would Recommend"

Recommend College	EKU	KSU	MoSU	MuSU	NKU	UK	UL	WKU	KCTCS	LCC	Total
Recommend to someone considering pursuing a degree	59%	37%	60%	63%	58%	67%	37%	57%	69%	74%	61%

Percent of Respondents Who Answered "Completely Satisfied" or "Somewhat Satisfied"

Instruction and Faculty	EKU	KSU	MoSU	MuSU	NKU	UK	UL	WKU	KCTCS	LCC	Total
Instruction provided in gen. ed. classes	80%	65%	79%	79%	75%	77%	73%	80%	88%	89%	81%
Instruction provided in major	86%	83%	86%	91%	85%	88%	79%	84%	88%	61%	86%
Availability of faculty	80%	77%	80%	86%	81%	75%	65%	78%	84%	82%	80%
Average Percentage	82%	74%	82%	85%	81%	80%	73%	81%	86%	80%	82%

Academic/Student Services	EKU	KSU	MoSU	MuSU	NKU	UK	UL	WKU	KCTCS	LCC	Total
Academic advising	66%	67%	67%	76%	59%	61%	49%	62%	75%	77%	67%
Career counseling	53%	40%	54%	61%	49%	48%	37%	51%	67%	61%	56%
Library and research services	78%	66%	78%	74%	71%	74%	77%	78%	75%	75%	75%
Availability of computers and technology	67%	59%	65%	70%	66%	67%	59%	63%	77%	77%	69%
Average Percentage	67%	59%	67%	70%	62%	63%	56%	64%	74%	73%	67%
Preparation for Work	EKU	KSU	MoSU	MuSU	NKU	UK	UL	WKU	KCTCS	LCC	Total
Writing skills necessary for work	80%	68%	75%	80%	79%	77%	69%	74%	77%	77%	76%
Math skills necessary for work	63%	67%	68%	73%	71%	74%	61%	69%	79%	66%	72%
Public or group speaking skills	67%	66%	72%	72%	70%	65%	57%	71%	67%	82%	67%
Working with others as part of a team	86%	76%	87%	85%	82%	83%	72%	84%	84%	67%	83%
Computer and technical skills	51%	48%	58%	63%	48%	55%	46%	56%	66%	74%	58%
Problem-solving skills	75%	70%	75%	78%	76%	79%	71%	75%	79%	67%	76%
Leadership skills	76%	67%	75%	75%	69%	70%	54%	67%	71%	63%	70%
Research skills	71%	70%	69%	75%	69%	69%	63%	67%	70%	63%	69%
Average Percentage	71%	67%	73%	75%	70%	71%	62%	71%	74%	71%	71%

Note: Goals have not been established.

Source: Undergraduate alumni survey conducted by Wilkerson and Associates

Civic Engagement

4.4 Selected indicators from the undergraduate alumni survey, 2001

Percent of Respondents Who Answered “Regularly”

	EKU	KSU	MoSU	NKU	UK	UL	WKU	KCTCS	LCC	Total
Volunteer for civic, church, or charitable causes	41%	48%	35%	40%	32%	31%	38%	43%	39%	32%
Donate money to civic, church, or charitable causes	58%	58%	49%	61%	52%	53%	58%	58%	57%	52%
Vote in public election	79%	82%	80%	80%	81%	81%	85%	82%	74%	78%
Participate in meetings/activities of professional organization	49%	47%	46%	44%	35%	43%	35%	47%	32%	29%
Average Percentage	57%	59%	52%	56%	50%	52%	54%	58%	50%	48%
										53%

Note: Goals have not been established.

Source: Undergraduate alumni survey conducted by Wilkerson and Associates

4.5 Selected indicators from NSSE, 2001

Participation in Community and Volunteer Activities

		Percent of Respondents Who Answered "Very Often," "Often," or "Sometimes"									
		EKU	KSU	MoSU	MUSU	NKU	UK	UL	WKU	KY	NSSE
Participated in a community-based project as a part of a regular course	First-Year Seniors	18% 42%	42% 40%	26% 44%	19% 30%	17% 32%	16% 33%	24% 38%	25% 37%	22% 37%	27% 41%

Percent of Respondents Who Answered One Hour or More

		EKU	KSU	MoSU	MUSU	NKU	UK	UL	WKU	KY	NSSE
Hours per week spent doing volunteer work	First-Year Seniors	44% 52%	56% 72%	46% 50%	49% 52%	36% 43%	48% 48%	39% 45%	48% 48%	45% 49%	NA NA

Contribution of College Experience to Personal Development

		Percent of Respondents Who Answered "Very much" or "Quite a Bit"									
		EKU	KSU	MoSU	MUSU	NKU	UK	UL	WKU	KY	NSSE
College experience contributed to knowledge, skills and personal development – voting	First-Year Seniors	29% 33%	39% 39%	38% 33%	27% 32%	21% 26%	18% 22%	25% 29%	30% 20%	27% 20%	26% 25%
College experience contributed to knowledge, skills and personal development – community welfare	First-Year Seniors	26% 46%	27% 56%	31% 43%	30% 37%	19% 26%	20% 33%	26% 33%	24% 39%	25% 37%	33% 40%

Goal: Goal is for each institution to improve ratings in 2003

Question 5: Are Kentucky's Communities and Economy Benefiting?

Employment of Graduates

5.1 Percentage of college graduates working in Kentucky - by level

1993-94 and 1994-95 Graduates - Five Years After Graduation

Degree Level	Graduates	All Graduates KY	KY Driver's License
Certificate	3,403	71%	79%
Associate	9,516	74%	84%
Bachelor's	23,002	59%	71%
Master's	3,868	44%	57%
Doctoral	570	25%	40%
First-Professional	1,468	46%	66%
Total	41,827	61%	73%

Note: No national data available. Goals have not been established for this indicator.
 Sources: CPE Database, KY Department of Employment Services, and KY Department of
 Driver's Licenses

**5.2 Percentage of out-of-state college students who stay in Kentucky after graduation
1993-94 and 1994-95 graduates - Five Years After Graduation**

Institution	All Graduates	Working in KY	KY Driver's License
University of Kentucky	2,329	17%	33%
University of Louisville	837	24%	30%
Eastern Kentucky University	610	20%	28%
Kentucky State University	184	14%	17%
Morehead State University	458	20%	22%
Murray State University	774	13%	17%
Northern Kentucky University	922	17%	14%
Western Kentucky University	1,036	15%	17%
Subtotal	7,150	17%	25%
KCTCS	193	22%	7%
Lexington Community College	11	27%	27%
System Total	7,354	17%	24%

Note: No national data available. Goals have not been established for this indicator.

Sources: CPE Database, KY Department of Employment Services, and KY Department of Driver's Licenses

Research and Development

5.5 Extramural research and public service expenditures per full-time faculty, three-year average

Level of Measurement	Institution	Actual				Goals			
		1996-97 - 1998-99	1997-98 - 1999-00	1998-99 - 2000-01	1999-00 - 2001-02	1999-00 - 2001-02	2000-01 - 2002-03	2001-02 - 2003-04	2002-03 - 2004-05
Comprehensive Universities	Eastern Kentucky University	\$14,461	\$20,814	\$31,388	\$40,306	\$39,474	\$46,035	\$48,465	\$49,937
	Kentucky State University	\$49,814	\$51,427	\$50,309	\$51,323	\$51,000	\$52,000	\$53,000	\$54,000
	Morehead State University	\$12,303	\$13,643	\$14,579	\$17,953	\$13,423	\$14,175	\$14,699	\$15,390
	Murray State University	\$4,388	\$4,899	\$5,348	\$6,057	\$5,147	\$5,185	\$5,220	\$5,256
	Northern Kentucky University	\$3,440	\$3,720	\$3,986	\$4,405	\$4,035	\$4,276	\$4,518	\$4,759
	Western Kentucky University	\$18,883	\$22,431	\$25,583	\$27,858	\$31,008	\$31,783	\$32,558	\$33,333
									\$34,108

Sources: IPEDS Finance and Fall Staff Surveys

5.6 Extramural research and development expenditures (in \$ thousands)

Level of Measurement	Institution	Actual		Goals				
		1999	2000	2001	2002	2003	2004	2005
Research Universities	University of Kentucky	\$120,446	\$142,803	\$150,713	\$158,523	\$174,242	\$189,962	\$205,682
	University of Louisville	\$28,892	\$30,615	\$34,314	\$46,080	\$55,296	\$66,355	\$79,626
	Total	\$149,338	\$173,418	\$185,027	\$204,603	\$229,538	\$256,317	\$285,308

Note: Extramural expenditures include federal, state, industry, and other extramural sources (excluding institutional expenditures).

Source: National Science Foundation. UK figures adjusted by UK, 7/01.

5.7 Federal research and development expenditures (in \$ thousands)

Level of Measurement	Institution	Actual		Goals				
		1999	2000	2001	2002	2003	2004	2005
Research Universities	University of Kentucky	\$66,184	\$73,858	\$86,239	\$87,172	\$100,486	\$113,801	\$127,115
	University of Louisville	\$15,536	\$17,713	\$25,116	\$35,832	\$42,998	\$51,598	\$61,918
	Total	\$81,720	\$91,571	\$111,355	\$123,004	\$143,484	\$165,399	\$189,033

Source: National Science Foundation

Research and Development, cont'd

5.8 Endowments in the research priority areas of the knowledge-based economy

University of Kentucky		Actual		Goals	
Research Priority Area	1998-99	1999-00	2000-01	2001-02	2002-03
Human Health and Development	\$34,059,068	\$50,751,614	\$64,410,228	\$65,253,098	\$73,541,700
Biosciences	\$43,326,007	\$49,661,142	\$51,068,415	\$46,779,339	\$58,308,400
Materials Science and Advanced Manufacturing	\$8,462,287	\$12,600,996	\$15,734,808	\$14,782,908	\$16,079,600
Information Technologies and Communications	\$6,055,441	\$8,838,812	\$8,838,510	\$8,124,696	\$8,396,600
Environmental and Energy Technologies	\$26,623,835	\$26,576,092	\$26,813,692	\$10,912,007	\$25,473,000
Total	\$118,526,638	\$148,428,656	\$166,865,653	\$145,852,048	\$158,522,400
University of Louisville		Actual		Goals	
Research Priority Area	1998-99	1999-00	2000-01	2001-02	2002-03
Human Health and Development	\$18,701,947	\$71,343,913	\$74,963,772	\$107,288,844	\$86,711,961
Biosciences	\$6,880,389	\$8,074,004	\$11,072,230	\$10,345,318	\$11,625,842
Materials Science and Advanced Manufacturing	\$344,690	\$3,181,465	\$7,669,056	\$20,456,162	\$8,052,509
Information Technologies and Communications	\$3,297,420	\$6,214,812	\$8,806,982	\$21,012,159	\$9,247,331
Environmental and Energy Technologies	\$-	\$-	\$-	\$1,158,002	\$-
Total	\$29,224,446	\$88,814,194	\$102,512,040	\$160,260,485	\$115,637,600
State Total	\$147,751,084	\$237,242,850	\$269,377,693	\$306,112,533	\$274,160,000

Sources: UK, UofL

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5.9 Expenditures from endowments and gifts in the research priority areas of the knowledge-based economy

University	Research Priority Area	Actual		Goals		2004-05	2005-06
		1998-99	1999-00	2000-01	2001-02		
University of Kentucky							
Human Health and Development	\$2,682,399	\$5,948,428	\$3,372,421	\$4,938,953	\$5,064,900	\$5,448,300	\$6,087,400
Biosciences	\$3,470,641	\$4,075,799	\$4,848,024	\$7,522,624	\$4,157,900	\$4,472,600	\$5,997,200
Materials Science and Advanced Manufacturing	\$341,430	\$466,363	\$704,808	\$963,430	\$608,600	\$654,700	\$731,500
Information Technologies and Communications	\$72,994	\$86,420	\$152,188	\$348,984	\$109,300	\$117,600	\$131,400
Environmental and Energy Technologies	\$413,078	\$296,275	\$349,179	\$499,488	\$337,000	\$362,500	\$405,000
Total	\$6,980,542	\$10,873,285	\$9,426,620	\$14,273,479	\$10,277,700	\$11,055,700	\$12,352,500
University of Louisville							
Research Priority Area	1998-99	1999-00	2000-01	2001-02	2001-02	2002-03	2003-04
Human Health and Development	\$876,231	\$1,031,748	\$1,672,640	\$5,957,980	\$1,823,178	\$1,987,264	\$2,166,117
Biosciences	\$34,697	\$188,075	\$238,468	\$592,560	\$259,931	\$283,324	\$308,824
Materials Science and Advanced Manufacturing	\$78,675	\$137,690	\$154,437	\$547,009	\$168,337	\$183,487	\$200,001
Information Technologies and Communications	\$123,769	\$110,415	\$242,997	\$666,318	\$264,866	\$288,704	\$314,688
Environmental and Energy Technologies	-\$-	-\$-	-\$-	\$26,509	-\$-	-\$-	-\$-
Total	\$1,113,371	\$1,467,928	\$2,308,542	\$7,790,376	\$2,516,300	\$2,742,800	\$2,989,600
State Total	\$8,093,913	\$12,341,213	\$11,735,162	\$22,063,855	\$12,794,000	\$13,798,500	\$15,342,100

Sources: UK, UofL